

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	73	Abecassis.in. and video	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/16 09:04
L3	31	2 and @rlad<="20000828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 09:05
L4	4	3 and authoring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 09:05
L5	13	2 and ((DVD multimedia video) same (author\$4 (creat\$3 with image)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/16 09:08
L6	0	(authoring with (video multimedia audio DVD)) same ((replac\$3 substitut\$3) with ((definition value content) and (tag variable placeholder)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/16 09:11
L7	53	(authoring with (video multimedia audio DVD)) and (script HTTP page) and ((replac\$3 substitut\$3) with ((definition value content) and (tag variable placeholder)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/16 09:15
L8	10	((creat\$3 generat\$3) near8 (image disc)) and (file with (contain\$3 includ\$3) with (definition and variable)) and ((replac\$3 substitut\$3) with ((definition value content) and (tag variable placeholder)))	US-PGPUB	OR	OFF	2007/11/16 09:14
L9	28	(authoring with (video multimedia audio DVD)) and (script HTTP page) and ((replac\$3 substitut\$3) with ((definition value content) and (tag variable placeholder)))	US-PGPUB	OR	OFF	2007/11/16 09:15
L10	38	8 or 9 and authoring	US-PGPUB	OR	OFF	2007/11/16 09:15
L11	0	10 and (video same authoring).clm. and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB	OR	OFF	2007/11/16 09:18
L12	1	10 and (video same authoring).clm.	US-PGPUB	OR	OFF	2007/11/16 09:17

EAST Search History

L13	32	10 and ((search\$3 and (replac\$4 substitut\$3)) same variable)".clm"	US-PGPUB	OR	OFF	2007/11/16 09:17
L14	0	10 and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB	OR	OFF	2007/11/16 09:17
L15	0	(video same authoring).clm. and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB	OR	OFF	2007/11/16 09:18
L16	0	(video same authoring).clm. and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/16 09:18
L17	0	(video same authoring).ab. and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/16 09:18
L18	0	((audio video DVD multimedia) same authoring).ab. and ((search\$3 and (replac\$4 substitut\$3)) same variable).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/16 09:19
S1	19344000	@ad<="20000828" or @rlfd<="20000828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/16 09:04
S2	878	(DVD near3 (content or image or data)) same (generat\$4 or creat\$4 or build\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 14:41

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S380	12453	(386/95-125).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 12:26
S381	7083	S380 and (video DVD).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 12:27
S382	219	S381 and (image with (produc\$3 creat\$3 generat\$4 build\$3)) and (HTTP ASP page script)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 12:53
S383	66	S382 and @rlad<="20000828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:29
S384	31	S382 not S383 and authoring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:32
S385	0	S384 and @rlad<"20000828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:34
S386	0	overlay and (definition with (substitut\$3 replac\$4)) and S380 and (authoring same (video media DVD))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:35
S387	0	overlay and (definition with (substitut\$3 replac\$4)) and (authoring same (video media DVD))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:40
S388	9	(script HTTP page) and (definition with (substitut\$3 replac\$4)) and (authoring same (video media DVD))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:35

EAST Search History

S389	6	S383 and (authoring same (video media DVD))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:45
S390	2	"6408128".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:52
S391	58	(Abecassis.in. Sony.as.) and (authoring same DVD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 12:52
S392	30	S391 and ((image with (produc\$3 creat\$3 generat\$4 build\$3)) or (HTTP ASP page script))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 14:40
S393	4791	(XML with pars\$3) and ((image with (produc\$3 creat\$3 generat\$4 build\$3)) or (HTTP ASP page script))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/13 14:40
S394	4030	(DVD near3 (content or image or data)) same (generat\$4 or creat\$4 or build\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 14:41
S395	8	S393 and S394 and authoring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/13 14:42

EAST Search History

S39 6	86	(US-20020007493-\$ or US-20010001160-\$ or US-20030140159-\$ or US-20010034740-\$ or US-20030074672-\$ or US-20030007621-\$ or US-20020143774-\$ or US-20010030667-\$ or US-20040255236-\$ or US-20020097984-\$).did. or (US-5778142-\$ or US-6453459-\$ or US-6522423-\$ or US-5659793-\$ or US-6199082-\$ or US-5515490-\$ or US-5907704-\$ or US-6624826-\$ or US-6510426-\$ or US-6616700-\$ or US-6573907-\$ or US-6567980-\$ or US-6564263-\$ or US-6263344-\$ or US-6591247-\$ or US-6546405-\$ or US-5909551-\$ or US-6580870-\$ or US-6182116-\$ or US-6038573-\$ or US-6453420-\$ or US-6434326-\$ or US-6665489-\$ or US-6441827-\$ or US-5991798-\$ or US-6516338-\$). did. or (US-6353702-\$ or US-6317779-\$ or US-6317761-\$ or US-6192407-\$ or US-6182222-\$ or US-6178546-\$ or US-6141010-\$ or US-5442749-\$ or US-6505169-\$ or US-6201538-\$ or US-6080207-\$ or US-6018720-\$ or US-6009410-\$ or US-5892908-\$ or US-6523063-\$ or US-6480666-\$ or US-6466967-\$ or US-6076111-\$ or US-5860068-\$ or US-6625803-\$ or US-5659792-\$ or US-6760885-\$ or US-6225993-\$ or US-6462754-\$ or US-6763499-\$ or US-6083276-\$ or US-6230173-\$). did. or (US-6574644-\$ or US-6519617-\$ or US-6581094-\$ or US-6424979-\$ or US-5274758-\$ or US-6693652-\$ or US-5991173-\$ or US-6760884-\$ or US-6636238-\$ or US-5604857-\$ or US-6163811-\$ or US-5119474-\$ or US-6298482-\$ or US-6615408-\$ or US-6829618-\$ or US-5764241-\$ or US-6408128-\$ or US-6438315-\$ or US-7287018-\$). did. or (CN-1312643-\$ or EP-690413-\$ or JP-10063562-\$). did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/13 14:48
S39 7	18	S396 and (pars\$4 with (tag HTML XML markup))	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/13 14:48

EAST Search History

S39 8	7	S397 and ((DVD multimedia video) same (author\$4 (creat\$3 with image)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/16 09:06
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1 [High dynamic range imaging](#)



Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(20.22 MB) Additional Information: [full citation](#), [abstract](#)

Current display devices can display only a limited range of contrast and colors, which is one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

2 [Computing curricula 2001](#)



September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: pdf(613.63 KB) html(2.78 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Regular contributions: Interactive video authoring and sharing based on two-layer templates](#)



Xian-Sheng Hua, Shipeng Li

October 2006 **Proceedings of the 1st ACM international workshop on Human-centered multimedia HCM '06**

Publisher: ACM Press

Full text available: pdf(964.70 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The rapid adoption of digital cameras and camcorders leads to a huge demand for new tools and systems that enables average users to more efficiently and more effectively process, manage, author and share digital media contents, in particular, a powerful video authoring tool that can dramatically reduce the users' efforts in editing and sharing home video. Though there are many commercial video authoring tools available today, video authoring remains as a tedious and extremely time consuming task ...

Keywords: interactive multimedia, multimedia authoring, multimedia management,

template, video editing

4 Course 16: Practical global illumination with irradiance caching: A ray tracing solution for diffuse interreflection



Gregory J. Ward, Francis M. Rubinstein, Robert D. Clear

August 2007 **ACM SIGGRAPH 2007 courses SIGGRAPH '07**

Publisher: ACM Press

Full text available: pdf(23.97 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An efficient ray tracing method is presented for calculating interreflections between surfaces with both diffuse and specular components. A Monte Carlo technique computes the indirect contributions to illuminance at locations chosen by the rendering process. The indirect illuminance values are averaged over surfaces and used in place of a constant "ambient." term. Illuminance calculations are made only for those areas participating in the selected view, and the results are stored so that subs ...

Keywords: caching, complexity, diffuse, illuminance, interreflection, luminance, monte carlo technique, radiosity, ray tracing, rendering, specular

5 Course 29: Crossing the line: moving from film to games (and possibly back):



Crossing the line: moving from film to games and possibly back

Video files associated with this course are available from the citation page

Evan Hirsch, Rick Stringfellow, Paul Amer, Brien Goodrich, Jamie Marshall, L. Cliff Brett

August 2007 **ACM SIGGRAPH 2007 courses SIGGRAPH '07**

Publisher: ACM Press

Full text available: pdf(4.52 MB) Additional Information: [full citation](#), [appendices and supplements](#), [references](#)

6 A multi-view intelligent editor for digital video libraries



Brad A. Myers, Juan P. Casares, Scott Stevens, Laura Dabbish, Dan Yocum, Albert Corbett

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries JCDL '01**

Publisher: ACM Press

Full text available: pdf(7.73 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Silver is an authoring tool that aims to allow novice users to edit digital video. The goal is to make editing of digital video as easy as text editing. Silver provides multiple coordinated views, including project, source, outline, subject, storyboard, textual transcript and timeline views. Selections and edits in any view are synchronized with all other views. A variety of recognition algorithms are applied to the video and audio content and then are used to aid in the editing tasks. The ...

Keywords: digital video editing, informedia, multimedia authoring, silver, video library

7 A survey of RST invariant image watermarking algorithms



Dong Zheng, Yan Liu, Jiying Zhao, Abdulmotaleb El Saddik

July 2007 **ACM Computing Surveys (CSUR)**, Volume 39 Issue 2

Publisher: ACM Press

Full text available: pdf(5.53 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this article, we review the algorithms for rotation, scaling and translation (RST) invariant image watermarking. There are mainly two categories of RST invariant image watermarking algorithms. One is to rectify the RST transformed image before conducting watermark detection. Another is to embed and detect watermark in an RST invariant or semi-invariant domain. In order to help readers understand, we first introduce the fundamental theories and techniques used in the existing RST invariant ...

Keywords: Digital image watermarking, Fourier-Mellin transform, ILPM, LPM, RST invariant, Radon transform, feature points, moments, template matching

8 Structured multimedia authoring



Dick C. A. Bulterman, Lynda Hardman

February 2005 **ACM Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: [pdf\(7.07 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Authoring context sensitive, interactive multimedia presentations is much more complex than authoring either purely audiovisual applications or text. Interactions among media objects need to be described as a set of spatio-temporal relationships that account for synchronous and asynchronous interactions, as well as on-demand linking behavior. This article considers the issues that need to be addressed by an authoring environment. We begin with a partitioning of concerns based on seven classes of ...

Keywords: Multimedia authoring, SMIL, hypermedia, synchronization

9 AppleScript



William R. Cook

June 2007 **Proceedings of the third ACM SIGPLAN conference on History of programming languages HOPL III**

Publisher: ACM Press

Full text available: [pdf\(621.56 KB\)](#)

Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

AppleScript is a scripting language and environment for the Mac OS. Originally conceived in 1989, AppleScript allows end users to *automate* complex tasks and *customize* Mac OS applications. To automate tasks, AppleScript provides standard programming language features (control flow, variables, data structures) and sends Apple Events to invoke application behavior. Apple Events are a variation on standard remote procedure calls in which messages can identify their arguments by *quer* ...

Keywords: AppleScript, history, scripting

10 Self



David Ungar, Randall B. Smith

June 2007 **Proceedings of the third ACM SIGPLAN conference on History of programming languages HOPL III**

Publisher: ACM Press

Full text available: [pdf\(1.70 MB\)](#)

Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

The years 1985 through 1995 saw the birth and development of the language Self, starting from its design by the authors at Xerox PARC, through first implementations by Ungar and his graduate students at Stanford University, and then with a larger team

formed when the authors joined Sun Microsystems Laboratories in 1991. Self was designed to help programmers become more productive and creative by giving them a simple, pure, and powerful language, an implementation that combined ease of use wit ...

Keywords: Self, adaptive optimization, cartoon animation, dynamic language, dynamic optimization, exploratory programming, history of programming languages, morphic, object-oriented language, programming environment, prototype-based programming language, virtual machine

11 An open-source CVE for programming education: a case study: An open-source CVE for programming education: a case study



Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks
July 2005 **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**

Publisher: ACM Press

Full text available: [pdf\(7.92 MB\)](#) Additional Information: [full citation](#), [references](#)

12 Facial modeling and animation



Jörg Haber, Demetri Terzopoulos
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: [pdf\(18.15 MB\)](#) Additional Information: [full citation](#), [abstract](#)

In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. As a necessary prerequisite for facial modeling, data acquisition is discussed in detail. We describe basic concepts of facial animation and present different approaches including parametric models, performance-, physics-, and learning-based methods. State-of-the-art techniques such as muscle-based facial animation, mass-s ...

13 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

14 Macintosh human interface guidelines

Apple Computer, Inc.
January 1992 Book

Publisher: Addison-Wesley Publishing Company

Full text available: [pdf\(37.61 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Macintosh Human Interface Guidelines describes the way to create products that optimize the interaction between people and Macintosh computers. It explains the whys and hows of the Macintosh interface in general terms and specific details.

Macintosh Human Interface Guidelines helps you link the philosophy behind the Macintosh interface to the actual implementation of interface elements. Examples from a wide range of Macintosh products show good human interface design, including individ ...

15 The information furnace: consolidated home control

Diomidis D. Spinellis

May 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 1

Publisher: Springer-Verlag

Full text available:  pdf(488.36 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains a large number of sophisticated devices and technologies. Access to these devices is currently provided through a wide variety of disparate interfaces. As a result, end users face a bewildering array of confusing user-interfaces, access modes a ...

Keywords: Automation, Consumer electronics, Home-control, Multi-modal interfaces

16 Group communication and services: Multicast in 802.11 WLANs: an experimental study

Diego Dujovne, Thierry Turletti

October 2006 **Proceedings of the 9th ACM international symposium on Modeling analysis and simulation of wireless and mobile systems MSWiM '06**

Publisher: ACM Press

Full text available:  pdf(415.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

While the deployment of WiFi networks continue to grow at an explosive rate, the multicast multimedia delivery service on WiFi compliant devices is still in its early stage of development. The real culprit is the IEEE 802.11 MAC protocol, and in particular, the absence of feedback mechanism when multicast is used. Recently, a leader-based mechanism has been proposed to overcome this problem. In this paper, we measure the characteristics of the legacy multicast transmission mechanism and analyze ...

Keywords: IEEE 802.11 WLAN, multicast transmission, packet loss correlation, wireless measurement

17 Session H: Multimedia: A 2-D MPEG-4 multimedia authoring tool

D. W. Viljoen, A. P. Calitz, N. L. O. Cowley

February 2003 **Proceedings of the 2nd international conference on Computer graphics, virtual Reality, visualisation and interaction in Africa AFRIGRAPH '03**

Publisher: ACM Press

Full text available:  pdf(925.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

MPEG-4 is an ISO/IEC standard developed by MPEG and promises to be a revolutionary force in the multimedia market. MPEG-4 allows multimedia authors to create interactive multimedia content that can be streamed at variable bit rates over high and low bandwidth connections. The standard has the potential to bring interactive multimedia to a larger audience, for instance providing interactive television or streaming video to a cell phone. Any multimedia technology will only be successful if it is a ...

Keywords: MPEG-4 framework, MPEG-4 multimedia authoring tool

18 Steerable media: interactive television via video synthesis



Chris Marrin, Rob Myers, Jim Kent, Peter Broadwell

February 2001 **Proceedings of the sixth international conference on 3D Web technology Web3D '01**

Publisher: ACM Press

Full text available: pdf(306.23 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: WWW applications, animation systems, applications, graphics systems, multimedia, rendering systems, video

19 Face recognition: A literature survey



W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

Full text available: pdf(4.28 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

Keywords: Face recognition, person identification

20 Classics in software engineering



January 1979 Divisible Book

Publisher: Yourdon Press

Additional Information: [full citation](#), [cited by](#), [index terms](#)

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